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GUSTAV BEYER.

Gustav Beyer, for many years a member of the New York Entomological Society, died on August 23 at his home, 310 Summit Avenue, Mt. Vernon, N. Y. Mr. Beyer was born July 5, 1840, in Wolkenstein, Saxony, and was educated from early youth in the manufacture of furs. He acquired a competence as a manufacturing furrier in New York City and, when he was past forty years of age, began to make a collection of beetles. The late George Franck, who was at the time one of his salesmen, introduced him to the pursuit of insects. For more than twenty-five years he collected with an energy that soon made him the possessor of a remarkable collection. Long trips to the mountains of North Carolina, to the Florida Keys, to Texas, Montana, Arizona, and Lower California, where he remained for nine months, added to his collection long series of species that were new or rare in other collections. During these years his home at 511 East 117th Street was the scene of many entomological gatherings and the hospitality that he and Mrs. Beyer dispensed was unbounded. Coleopterists from far and wide came to know the back parlor with its cabinet drawers filled with duplicates, liberally donated to visitors, the little garden with its collection of cactus, and the basement dining room where good things to eat and coffee were provided, even at three o'clock in the morning. About ten years ago the infirmities of age checked his ardor for a time, but the removal to Mt. Vernon in 1917 proved beneficial and the opportunity of obtaining a large collection of Buprestidæ, accumulated by a German collector, renewed his interest. At eighty years of age he was working daily on this collection; and

until Decoration Day of this year he was able to move about the house and on his eighty-fourth birthday to receive fifty-eight visitors.

Mr. Beyer possessed a remarkably hardy constitution, which enabled him to withstand fatigue, thirst, and the roughest conditions on his collecting trips; and a persistence which kept him going, regardless of obstacles, when rare beetles were to be had. Many new species and one new genus which he had thus discovered were named in his honor. He was a keen lover of nature, as shown by his love of flowers as well as beetles. Above all, he was a wise and kindly man whose passing away will be most lamented by those who knew him best, his own family and the few entomologists of the last century, who still survive.

CHAS. W. LENG.

THE OLFACTORY SENSE OF THE CABBAGE BUTTERFLY.

Mr. Dwight Elmer Minnich, writing in the "Journal of Experimental Zoölogy" (vol. 39, No. 2, pp. 339-356), records the results of his experimental studies with *Pieris rapæ* Linn., and concludes that the antennæ "probably constitute the most important olfactory area, each antennæ being richly equipped with olfactory organs." Mr. Minnich describes his materials and methods in detail. Selecting the extension of the proboscis as the olfactory reaction, he found that when one antenna was eliminated from possible olfactory stimulation by being coated with vaseline or a paraffin-vaseline mixture or by amputation, the olfactory response was reduced very greatly, on the average 58 per cent. Mr. Minnich states that "there were no fundamental changes apparent in the general behavior" of the specimens following the coating of the antennæ and amputations and believes that the decreases of response were due chiefly to the elimination of the olfactory organs and not to an abnormal state of behavior. Ed.